

Term I : September – December 2018

BIOS5001 Introduction to Biostatistics

(3 credits)

Course Coordinator: Prof. William Goggins

Course Description

This course introduces basic statistical concepts and methods. The emphasis of the course is on practical applications: choosing the correct method for particular datasets and correct interpretation of the analysis results. Examples from different disciplines of public health including chronic and infectious disease epidemiology, environmental health, and health policy will be used to illustrate the use of biostatistical methods in answering important public health questions.

Learning Outcomes/Objectives

1. Understand the importance of biostatistics in public health and medical research.
2. Develop a conceptual understanding of basic biostatistics,
3. Critically read and understand the statistical methodology and results sections of medical and public health research papers.
4. Be capable of carrying out basic statistical analyses using SPSS statistical software.

Course Schedule

| Session | Date | Time | Venue |
|---------|-------------------------------------|--|---|
| 1 | Sep 20, 2018 (Thu) | 6:30 – 9:30 pm | School of Public Health Prince of Wales of Hospital And CUHK campus, Shatin, N.T., Hong Kong |
| 2 | Sep 27, 2018 (Thu) | 6:30 – 9:30 pm | |
| 3 | Oct 4, 2018 (Thu) | 6:30 – 9:30 pm | |
| 4 | Oct 10/11/12, 2018 (Wed/Thu/Fri) | 2:30 – 5:30 pm/ 6:30 – 9:30 pm/ 6:30 – 9:30 pm | |
| 5 | Oct 18, 2018 (Thu) | 6:30 – 9:30 pm | |
| 6 | Oct 25, 2018 (Thu) | 6:30 – 9:30 pm | |
| 7 | Nov 1, 2018 (Thu) | 6:30 – 9:30 pm | |
| 8 | Nov 7/8/9, 2018 (Wed/Thu/Fri) | 2:30 – 5:30 pm/ 6:30 – 9:30 pm/ 6:30 – 9:30 pm | |
| 9 | Nov 15, 2018 (Thu) | 6:30 – 9:30 pm | |
| 10 | Nov 22, 2018 (Thu) | 6:30 – 9:30 pm | |
| 11 | Nov 29, 2018 (Thu) | 6:30 – 9:30 pm | |
| 12 | Dec 5/6/7, 2018 (Wed/Thu/Fri) | 2:30 – 5:30 pm/ 6:30 – 9:30 pm/ 6:30 – 9:30 pm | |
| 13 | Dec 13, 2018 (Thu) | 7:00 – 9:00 pm | |

Fee

Application Fee: \$100

Course Fee: \$14,100